

Xiangzhe Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Numerical Simulation of Extrusion Characteristics for Co-rotating Tri-Screw Extruder. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 401-407.	1.9	12
2	3D Numerical Simulation of Reactive Extrusion Processes for Preparing PP/TiO ₂ Nanocomposites in a Corotating Twin Screw Extruder. <i>Materials</i> , 2019, 12, 671.	1.3	8
3	Numerical Study on Temperature and Power Consumption of Intermeshing Co-rotation Triangle Arrayed Tri-screw Extruders. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 367-373.	1.9	6
4	Chaotic Manifold Analysis of Four-Screw Extruders Based on Lagrangian Coherent Structures. <i>Materials</i> , 2018, 11, 2272.	1.3	6
5	Effect of Dynamic Center Region on the Flow and Mixing Efficiency in a New Tri-Screw Extruder Using 3D Finite Element Modeling. <i>International Journal of Rotating Machinery</i> , 2013, 2013, 1-12.	0.8	5
6	Study of Dynamic Flow and Mixing Performances of Tri-Screw Extruders with Finite Element Method. <i>Advances in Mechanical Engineering</i> , 2013, 5, 236389.	0.8	4
7	Chaotic mixing analysis of a novel single-screw extruder with a perturbation baffle by the finite-time Lyapunov exponent method. <i>Journal of Polymer Engineering</i> , 2019, 39, 287-299.	0.6	3
8	Mixing Characteristics of Polymer Melt in Triple Screw Extruders with Combined Screws using Finite Element Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 768, 022068.	0.3	1